

PTO/SB/08a (08-03)

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Complete if Known

Application Number	TO BE ASSIGNED
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Filing Date	October 9, 2003
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First Named Inventor	Erwin et al.
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Art Unit	1637
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Examiner Name

Attorney Docket Number	LSBC-0087-DV11
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Sheet

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of

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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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Examiner Signature	/Ganapathiram Raghu/	Date Considered	01/13/2007
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Sheet 2 of 5

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	r ²
GR		BOWIE, et al., "Deciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions", <i>Science</i> , 247:1306-1310 (1990)	
GR		BRADY, "Fabry Disease", 1169-1178	
GR		CHAPMAN, et al., "Potato virus X as a vector for gene expression in plants", <i>The Plant Journal</i> , 2(4):549-557 (1992)	
GR		COPPOLA, et al., "Characterization of glycosylated and catalytically active recombinant human α -galactosidase A using a baculovirus vector", <i>Gene</i> , 144:197-203 (1994)	
GR		CRAMER, <i>American Journal of Human Genetics</i> , 57(4) (1995), published for the American of Human Genetic by the University of Chicago Press	
GR		DESNICK, et al., " α -Galactosidase A Deficiency: Fabry Disease", Chapter 89, pp. 2741-2784	
GR		ERICKSON, et al., "BioSynthesis of the Lysosomal Enzyme Glucocerebrosidase", <i>Journal of Biological Chemistry</i> , 260(26):14319-14324 (1985)	
GR		FERRARI, et al., "Cloning and expression of a soluble sialidase from Chinese hamster ovary cells: sequence alignment similarities to bacterial sialidases", <i>Glycobiology</i> , 4(3):367-373 (1994)	
GR		FRANK, et al., "Automation of DNA Sequencing Reactions and Related Techniques: A Workstation for Micromanipulation of Liquids", <i>Biotechnology</i> , 6:1211 (1988)	
GR		FURBISH, et al., "Enzyme replacement therapy in Gaucher's disease: Large-scale purification of glucocerebrosidase suitable for human administration", <i>Proc. Natl. Acad. Sci.</i> , 71(8):3560-3563 (1977)	
GR		FURBISH, et al., "Uptake and Distribution of Placental Glucocerebrosidase in at Hepatic Cells and Effects of Sequential Deglycosylation", <i>Biochemica et biophysica Acta.</i> , 673:425-434 (1981)	
GR		GRABOWSKI, et al., "Expression of Functional Human Acid β -glucosidase in COS-1 and <i>Sporidoptera frugiperda</i> Cells", <i>Enzyme</i> , 41:131-142 (1989)	
GR		GRACE, et al., "Analyses of catalytic activity and inhibitor binding of human acid β -glucosidase by site-directed mutagenesis", <i>The Journal of Biological Chemistry</i> , 265:6827-6835 (April 1990)	

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		Group Art Unit	1637		
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GR		GRACE, et al., "Analysis of Human Acid β -glucosidase by Cite-Directed Mutagenesis and Heterologous Expression", <i>The Journal of Biological Chemistry</i> , 269(3): 2283-2291 (1994)	
GR		GRACE and GRABOWSKI, "Human Acid β -glucosidase: Glycosylation Is Required for Catalytic Activity", <i>Biochemical and Biophysical Research Communications</i> , 168(2):771-777 (1990)	
GR		HASKINS, et al., "Alpha-L-Iduronidase Deficiency in a Cat: A Model Mucopolysaccharidosis I", <i>Pediat. Res.</i> , 13:1294-1297 (1979)	
GR		HOPP, et al., "A Short Polypeptide mark sequence useful for recombinant protein identification and purification", <i>Biotechnology</i> , 6:1204-1210 (1988)	
GR		JONSSON, et al., "Biosynthesis and maturation of glucocerebrosidase in Gaucher fibroblasts", <i>J. Biochem.</i> , 104:171-179 (1987)	
GR		KAPLAN, et al., "Phosphohexosyl components of a lysosomal enzyme are recognized by pinocytosis receptors on human fibroblasts", <i>Proc. Natl. Acad. Sci. USA</i> , 74(5):2026-2030 (1977)	
GR		KENWARD, et al., "Accumulation of Type I Fish Antifreeze Protein in Transgenic Tobacco Is Cold Specific", <i>Plant Molecular Biology</i> , 23:377-385 (1993)	
GR		KORNFELD and MELLMAN, "The Biogenesis of Lysosomes", <i>Annu. Rev. Cell Biol.</i> , 5:483-525 (1989)	
GR		LEE and RAIKHEL, "Prohevein is poorly processed but shows enhanced resistance to a chitin-binding fungus in transgenic tomato plants", <i>Brazilian Journal of Medical and Biological Research</i> , 28:743-750 (July 1995)	
GR		MIYAMURA, et al., "A Carboxy-terminal Truncation of Human α -Galactosidase A in a Heterozygous Female with Fabry Disease and Modification of the Enzymatic Activity by the Carboxy-terminal Domain", <i>J. Clin. Invest.</i> , 98(8):1809-1817 (1996)	
GR		MURRAY, et al., "Production of Recombinant Human Glucocerebrosidase in Plants", <i>Fed. of American Soc. for Experimental Biology</i> , 10(6):a1126 (April 1996)	
GR		PARK, et al., "Structure and nucleotide sequence of tomato HMG2 encoding 3-hydroxy-3-methyl-glutaryl coenzyme A reductase", <i>Plant Molecular Biology</i> , 20:327-331 (1992)	
GR		SCHATZLE, et al., "Molecular Cloning and Characterization of the Structural Gene Coding for the Developmentally Regulated Lysosomal Enzyme, α -Mannosidase, in <i>Dictyostelium discoideum</i> ", <i>The Journal of Biological Chemistry</i> , 267(6):4000-4007 (1991)	

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
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Application Number	TO BE ASSIGNED.
Filing Date	October 9, 2003
First Named Inventor	Erwin et al.
Group Art Unit	1637
Examiner Name	
Attorney Docket Number	LSBC-0087-DV11

Sheet 4 of 5

NON PATENT LITERATURE DOCUMENTS

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GR		SCHULZ and SCHIRMER, "Principles of Protein Structure", Springer-Verlag, eds.	
GR		SCOTT, et al., "Structure and Sequence of the Human α -L-Iduronidase Gene", <i>Genomics</i> , 13:1311-1313 (1992)	
GR		SCOTT, et al., "Human α -L-iduronidase: cDNA isolation and expression", <i>Proc. Natl. Acad. Sci. USA</i> , 88:9695-9699 (1991)	
GR		SHULL, et al., "Enzyme replacement in a canine model for Hurler syndrome", <i>Proc. Natl. Acad. Sci. USA</i> , 91:12917-12941 (1994)	
GR		SIJMONS, et al., "Production of Correctly Processed Human Serum Albumin Transgenic Plants", <i>Biotechnology</i> , 8:217-221 (1990)	
GR		SORGE, et al., "Molecular cloning and nucleotide sequence of human glucocerebrosidase cDNA", <i>Proc. Natl. Acad. Sci. USA</i> , 82:7289-7293 (1987)	
GR		TAKAMATSU, et al., "Expression of bacterial chloramphenicol acetyltransferase gene in tobacco plants mediated by TMV-RNA", <i>The EMBO Journal</i> , Vol. 6(2), pp. 307-311 (1987), IRL Press Limited, Oxford, England	
GR		THORNBURG, et al., "Wound-inducible expression of a potato inhibitor II-chloramphenicol acetyltransferase gene fusion in transgenic tobacco plants", <i>Proc. Natl. Acad. Sci.</i> , 84:744-748 (1987)	
GR		TSUJI, et al., "Nucleotide Sequence of cDNA Containing the Complete Coding Sequence for Human Lysosomal Glucocerebrosidase", <i>The Journal of Biological Chemistry</i> , 261(1):50-53 (1966)	
GR		VANDEKERCKHOVE, et al., "Enkephalins Produced in Transgenic Plants Using Modified 2S Seed Storage Proteins", <i>Biotechnology</i> , 7:929-933 (1989)	
GR		VIERSTRA, "Protein Degradation in Plants", <i>Annual Review of Plant Physiology and Plant Molecular Biology</i> , 44:385-410 (1993), Annual Reviews, Inc., Palo Alto, California	
GR		VON FIGURA and HASILIK, "Lysosomal Enzymes and Their Receptors", <i>Ann. Rev. Biochem.</i> , 55:167-193 (1986)	

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**SUPPLEMENTAL
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Application Number	10/684,300
Filing Date	10/9/2003
First Named Inventor	ERWIN et al.
Art Unit	
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U.S. PATENT DOCUMENTS

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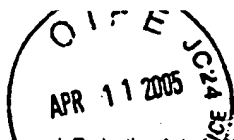
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GR		BORK, "Powers and Pitfalls in Sequence Analysis: The 70% Hurdle", <i>Genome Research</i> (2000) 10:398-400	
GR		BROUN, et al., "Catalytic plasticity of fatty acid modification enzymes underlying chemical diversity of plant lipids", <i>Science</i> (1998) 282:1315-1317	
GR		SEFFERNICK, et al., "Melamine Deaminase and Atrazine Chlorohydrolase: 98 percent Identical but Functionally Different", <i>J. Bacteriol.</i> (2001) 183(8):2405-2410	
GR		WITKOWSKI, et al., "Conversion of a beta-Ketoacyl synthase to a malonyl decarboxylase by replacement of the active-site cysteine with glutamine", <i>Biochemistry</i> (1999) 38:11643-11650	

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GR		Hondred and Vierstra, "Novel applications of the ubiquitin-dependent proteolytic pathway in plant genetic engineering", <i>Current Opin. Biotech.</i> (1992) 3:147-151	

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